

H. S. John.

Rhodora

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NOTES ON SOME PLANTS OF EASTERN NEW YORK.

H. K. SVENSON.

THE following account is concerned with some noteworthy plants of eastern New York, at least two of them being new to the State. Unfortunately these records were not communicated to Dr. House in time for publication in the recent list of the plants of New York State.¹

BIDENS BIDENTOIDES (Nutt.) Britton. A single specimen of this characteristic species, known previously only from the region of Delaware Bay, was collected by Mr. N. C. Fassett of Harvard University, on the shore of the Hudson River at Glenmont, in September 1922. A visit by the writer to this locality in October 1922, revealed no further material, but across the river in Rensselaer the plant was found in abundance in shallow water, partially submersed at high tide. At Hudson, some thirty miles below Glenmont, in October 1923, it appeared commonly on tidal shores. It is therefore to be looked for throughout the Hudson estuary.

ELATINE AMERICANA (Pursh) Arnott. Described by Fernald² as occurring "on tidal flats of Cathance River in Maine and on the tidal flats of the Delaware, as well as at a few other stations along the Atlantic coast." This plant was collected on tidal mud at Hudson, N. Y. in October 1923, and is probably the first true record from New York State. Two additional records for this rare plant are from New Brunswick: tidal shores of Kennebecasis River, Lakeside, August 25, 1923, *Fassett & Svenson*, no. 2015; tidal shores, Mirimichi River, five miles above Newcastle, August 19, 1923, *Fassett & Svenson*, no. 2016.

¹ House, H. D.; N. Y. State Mus. Bull. no. 254 (1924).

² Fernald, M. L., *RHODORA* xix. 11 (1917).

ALCHEMILLA VULGARIS L.; Fernald & Weigand, RHODORA xiv. 232 (1912). First noted in the fall of 1923, growing in a cool, shady spot on the campus of Union College, but may have existed there previously. It has persisted in flowering state through the summer of 1924 and may be said to be well established. From the United States the lady's mantle has been previously reported only as casual at Westford, Massachusetts. It is a well-known weed in Nova Scotia.

Eleocharis diandra C. Wright. This occurs with *Elatine americana* on tidal mud at Hudson, N. Y.

Scirpus Smithii Gray. On tidal mud at Coeymans, N. Y., October 1923, accompanied by *Limosella subulata* Ives.¹ These are stations additional to those given by House in the list previously mentioned.

The writer is indebted to Mr. Fassett for comparing specimens of most of the preceding plants with typical specimens in the Gray Herbarium.

UNION COLLEGE, Schenectady.

FLORA OF PENIKESE, FIFTY YEARS AFTER.

Edited by I. F. LEWIS.

(Continued from page 219.)

Gramineae

Agropyron repens (L.) Beauv. [*Triticum repens* L.]. Common.

Agrostis capillaris L. [*A. vulgaris* With.]. Common, hills and beaches.

Ammophila breviligulata Fernald [*Calamogrostis arenaria* Roth]. Beaches.

Anthoxanthum odoratum L. Common over entire island.

**Avena sativa* L. Behind cottages and on Tub Point.

**Bromus secalinus* L. Waste ground, east; rare.

Chaetochloa sp. [*Setaria* sp.]. Dry Pond.

**Dactylis glomerata* L. Fairly common, beaches and hillsides.

**Danthonia spicata* L. (Beauv.). Grassland everywhere.

Elymus virginicus L. Low wet places, west; also Gull Island.

Festuca elatior L. Fairly common, dry soil.

¹ For nomenclature see Fernald, M. L., RHODORA xx. 164 (1918).

**Festuca rubra* L. Common in dry soil.

Holcus lanatus L. Common everywhere.

**Panicum Lindheimeri* Nash var. *fasciculatum* (Torr.) Fernald.
Dry sandy soil.

**Panicum oricola* Hitch. & Chase. Fairly common, dry soil.

Phleum pratense L. Fairly common.

Poa pratensis L. Fairly common.

Spartina alterniflora Loisel. [*S. stricta* Roth var. *alterniflora* Gray].
Moist ground, eastern shore; Gull Island.

Spartina patens (Ait.) Muhl. [*S. juncea* Willd.]. Low marshy ground, Tub Point.

Cyperaceae

**Carex albolutescens* Schwein. (*C. Longii* Mack.) Dry soil on Neck and elsewhere.

**Carex muricata* L. Barren ground, rare.

**Eleocharis obtusa* (Willd.) Schultes. Edge of ponds.

Eleocharis palustris (L.) R. & S. Leper Pond.

Scirpus americanus Pers. [*S. pungens* Vahl]. Typha and South Ponds.

Scirpus paludosus A. Nelson [*S. maritimus* L.]. Ponds and swamp.

**Scirpus validus* Vahl. Tern Pond.

Juncaceae

**Juncus acuminatus* Michx. Typha Pond.

**Juncus debilis* Gray. Dry sandy ground.

**Juncus effusus* L. Leper Pond.

**Juncus Greenei* Oakes & Tuck. Common on grassy uplands.

Juncus tenuis Willd. Sandy and gravelly places near beaches.

Liliaceae

**Asparagus officinalis* L. Eastern shore and behind cottages.

**Lilium tigrinum* Ker. Behind cottages.

**Smilax rotundifolia* L. Dry hillside above hospital.

Iridaceae

Iris versicolor L. Typha and South Ponds; elsewhere in moist places.

Sisyrinchium angustifolium Mill. [*S. Bermudianum* L.]. South Pond.

Myricaceae

- **Myrica carolinensis* Mill. One patch near south shore.

Salicaceae

- **Populus alba* L. Hospital grounds.
**Populus deltoides* Marsh. Hospital grounds.
**Salix alba* × *fragilis*. Typha Pond and elsewhere.
**Salix pentandra* L. Typha Pond and along eastern shore.

Fagaceae

- **Quercus rubra* L. West of hospital and along path near wharf.

Polygonaceae

- **Polygonum acre* HBK. Moist edges of ponds.
Polygonum aviculare L. Sandy soil; beach; garden.
**Polygonum Convolvulus* L. Tub Point.
Polygonum Persicaria L. Dry Pond.
Rumex Acetosella L. Common in dry barren soil.
Rumex crispus L. Common in dry ground; Gull Island.
**Rumex maritimus* L. var. *fueginus* (Phil.) Dusen. Edge of Typha Pond.

Chenopodiaceae

- **Atriplex hastata* L. Very common on beaches; Gull Island.
Chenopodium album L. Fairly common on beaches.

Amaranthaceae

- Amaranthus retroflexus* L. Tern nesting ground; Tub Point.

Aizoaceae

- Mollugo verticillata* L. In sand near garden.

Caryophyllaceae

- Ammodenia peploides* Rupr. [*Arenaria peploides* L.]. Occasional, beaches.

- **Cerastium vulgatum* L. Abundant in dry barren ground.
**Dianthus barbatus* L. (Escaped.) Behind cottages.
**Gypsophila paniculata* L. (Escaped.) Behind cottages.
**Lychnis alba* Mill. Tub Point.

Sagina procumbens L. Stony soil on Neck.

Spergularia marina (L.) Griseb. [*S. salina* Presl.]. Rare, beach on eastern side.

**Spergularia rubra* (L.) Presl. Common in stony barren ground.

**Stellaria graminea* L. Dry grassland, not common.

Stellaria media (L.) Cyrill. [*S. media* Smith]. Behind cottages and near hospital.

Portulacaceae

Portulaca oleracea L. Garden.

Ranunculaceae

**Ranunculus acris* L. Behind cottages and occasional in grassland.

Ranunculus Cymbalaria Pursh. Tern Pond.

**Ranunculus delphinifolius* Torr. Tern Pond.

Cruciferae

**Brassica juncea* (L.) Cosson. High ground, Tub Point.

Cakile edentula (Bigel.) Hook [*C. americana* Nutt.]. Beaches; Gull Island.

Capsella Bursa-pastoris (L.) Medic. Near hospital.

Lepidium virginicum L. Dry soil, common.

Raphanus Raphanistrum L. Tub Point.

**Raphanus sativus* L. (Escaped.) Behind cottages.

**Sisymbrium altissimum* L. Tub Point and east shore.

Sisymbrium officinale (L.) Scop. Fairly common, beaches and near hospital.

Rosaceae

**Amelanchier oblongifolia* (T. & G.) Roem. South end of island.

Fragaria virginiana Duchesne. West of hospital.

Potentilla argentea L. Behind cottages and on dry soil near beaches.

**Potentilla monspeliensis* L.

**Potentilla pumila* Poir. Fairly common on dry hillsides.

**Rosa carolina* L.

**Rosa rugosa* Thunb. (Escaped.) Occasional.

**Rubus frondosus* Bigel. Dense thicket, Tub Point.

**Rubus laciniatus* Willd. Tub Point.

Rubus procumbens Muhl. [*R. villosus* Ait.]. Common locally, in patches.

**Prunus serotina* Ehrh. South end of island.

Leguminosae

- Lathyrus maritimus* (L.) Bigel. Edge of beaches; Gull Island.
**Trifolium agrarium* L. Hillside west of hospital.
Trifolium arvense L. Fairly common, dry fields.
**Trifolium pratense* L. Along walk near wharf.
Trifolium repens L. Dry fields.
**Vicia Cracca* L. East shore.
**Vicia tetrasperma* (L.) Moench.

Oxalidaceae

- Oxalis stricta* L. Dry barren ground; near hospital.

Geraniaceae

- **Geranium carolinianum* L. Burnt-over place near hospital.

Callitrichaceae

- **Callitriche heterophylla* Pursh. Typha Pond.

Anacardiaceae

- **Rhus typhina* L. Hillside west of hospital.

Vitaceae

- **Psedera quinquefolia* (L.) Greene. Over old sheds near hospital.

Malvaceae

- Malva rotundifolia* L. Behind cottages.

Aceraceae

- **Acer platanoides* L. Established on slope above hospital.

Violaceae

- Viola fimbriatula* Sm. [*V. sagittata* Ait. (?)]. Dry hills, south end of island.

Hypericaceae

- **Hypericum perforatum* L. Occasional in grassland.

Onagraceae

- Isnardia palustris* L. [*Ludwigia palustris* L.]. Typha Pond.
**Oenothera biennis* L. Occasional in grassland and near beaches.
**Oenothera grandiflora* Ait. (Escaped.) Behind cottages.

Haloragidaceae

Myriophyllum pinnatum (Walt.) B. S. P. [*M. scabratum* Mx.].
Typha and Tern Ponds.

Umbelliferae

**Daucus Carota* L. Dry soil throughout.

**Ligusticum scoticum* L. Beaches.

Primulaceae

Anagallis arvensis L. Behind cottages and near wharf.

Oleaceae

**Ligustrum vulgare* L. (Escaped.) Behind cottages.

Asclepiadaceae

**Asclepias syriaca* L. Rare.

Convolvulaceae

**Convolvulus arvensis* L. Dry stony soil on Neck.

Convolvulus sepium L. var. *pubescens* (Gray) Fernald [*Calystegia sepium* R. Br.]. Fairly common; Gull Island.

Labiatae

Leonurus Cardiaea L. Locally abundant; Tub Point and Neck.

**Lycopus americanus* Muhl. Typha Pond.

**Lycopus uniflorus* Michx. Low wet places.

Nepeta Cataria L. Patches near reservoir and hospital.

Scutellaria epilobiifolia Hamilton [*S. galericulata* L.]. Typha Pond.

Teucrium canadense L. var. *littorale* (Bick.) Fernald. Gull Island only.

Solanaceae

**Datura Stramonium* L. Beach south of wharf.

Solanum nigrum L. Common, edges of Dry Pond.

Scrophulariaceae

**Digitalis purpurea* L. (Escaped.) Behind cottages.

**Ilysanthes inaequalis* (Walt.) Pennell. Typha Pond.

Linaria canadensis (L.) Dumont. Common, dry sandy soil.

**Linaria vulgaris* Hill. Behind cottages.

Verbascum Thapsus L. Fairly common around east shore.

Plantaginaceae

Plantago lanceolata L. Abundant, especially near shore.

Plantago major L. Abundant, south and east shore.

Rubiaceae

**Galium trifidum* L. Fairly common on hills, south end.

Caprifoliaceae

**Lonicera japonica* Thunb. Established locally, Tub Point and elsewhere.

**Sambucus canadensis* L. North end of island near Dry Pond.

Cucurbitaceae

**Cucurbita maxima* Duchesne. (Escaped.) Behind cottages and on Neck.

Compositae

Achillea Millefolium L. Common; also Gull Island.

Ambrosia artemisiifolia L. Common; also Gull Island.

Anthemis Cotula L. [*Maruta Cotula* DC.]. Near hospital.

**Aster undulatus* L. Dry soil.

**Aster vimineus* Lam. Dry soil.

**Bidens connata* Muhl. var.? Dry Pond.

Chrysanthemum Leucanthemum L. [*Leucanthemum vulgare* Lam.]. Common throughout.

Cirsium arvense (L.) Scop. South end of island.

Cirsium lanceolatum (L.) Hill. Hills, not common.

**Coreopsis lanceolata* L. (Escaped.) Behind cottages.

Erechtites hieracifolia (L.) Raf. Beaches, common.

**Euthamia tenuifolia* (Pursh) Greene. Western slopes.

**Gnaphalium polycephalum* Michx. Dry hillsides.

**Helianthus annuus* L. Tub Point.

**Leontodon autumnalis* L. var. *pratensis* (Link) Koch. Behind cottages.

Leptilon canadense (L.) Britton [*Erigeron canadense* L.]. Near hospital.

**Leptilon pusillum* (Nutt.) Britton. Near hospital.

**Rudbeckia hirta* L. Hills on east side.

**Solidago canadensis* L. Southwest slopes.

**Solidago juncea* Ait. Dry bank, S. W.

**Solidago nemoralis* Ait. Hillsides, south end.

**Solidago rugosa* Mill var.? Hillsides, east end.

Solidago sempervirens L. Common on beaches; also Gull Island.

**Sonchus arvensis* L. Hill west of hospital.

**Sonchus asper* (L.) Hill. Near wharf.

**Sonchus oleraceus* L. Near beaches.

Taraxacum officinale Weber [*T. Dens-Leonis* Desf.]. Not common.

Xanthium sp. Typha Pond.

A complete set of exsiccatae of marine algae and land plants (except fungi) has been deposited in the herbarium of the Marine Biological Laboratory, and duplicates at the herbarium of the University of Pennsylvania and at the Gray Herbarium of Harvard University.

EXPLANATION OF PLATES 146 AND 147.

The five views reproduced on plates 146 and 147 correspond to photographs numbered 1, 2, 4, 11 and 12, respectively, in a series of fifteen views taken for the purpose of record and to be preserved at the Marine Biological Laboratory at Woods Hole. The points from which these views were taken are indicated on the map.

PLATE 146. Upper view: Looking up the Neck, showing strand (phot. no. 1). Middle view: Same, looking over tidal flat toward hospital (phot. no. 2). Lower view: Typha Pond, looking southwest toward outbuildings in hospital grounds (phot. no. 4).

PLATE 147. Upper view: Looking southeast across area denuded by nesting terns (phot. no. 11). Lower view: Dry Pond, looking north (from phot. no. 12).

DOUBLE-HEADED GENERIC NAMES.

KENNETH K. MACKENZIE.

HILL'S British Herbal published in 1756 is a most excellent piece of work. The various genera and species are fully described, and all of the genera are carefully and well illustrated. Unfortunately Hill, in company with some other writers of his time, had ideas of his own about generic names. Most of the genera recognized by him were given by him under generic names consisting of but one word, and, of course, as to these there is no trouble. But in addition to such generic names he had some fifty-one other genera, to which he gave generic names consisting of two separate words. He never used a hyphen connecting the two words so used by him in order to form

a compound word but he always wrote them as two separate words. Under genera so named he listed various species. For example he had a genus (p. 409) *Pimpinella saxifraga* and under it three species *Pimpinella saxifraga foliis variis*; *Pimpinella saxifraga minor*; and *Pimpinella saxifraga foliis laciniatis*. Sometimes, however, the specific name would not entirely follow the generic name. For example, he had a genus *Lactuca Hortensis* (p. 444) but the only species under it was named *Lactuca vulgaris*. Hill's ideas on nomenclature are indeed very hard to follow, for he even had two genera of the same name, *Lunaria*, one belonging to the *Cruciferae* (p. 258) and the other (p. 530) being *Botrychium*.

Most of Hill's double-headed generic names apply to genera which were given other generic names by Linnaeus, but there are a very considerable number of such names which are the earliest generic names for the genera involved published after 1753. If we use one of these names they all should be used. If we reject some we should reject them all. If we insert a hyphen with some, so as to make them compound words, we should insert a hyphen with them all.

My own view is that all such names should be entirely rejected and that the rule promulgated by Linnaeus should be followed "*Nomina generica ex duobus vocabulis integris, ac distinctis facta, e Republica Botanica releganda sunt*" (*Philosophia Botanica* Sec. 221). This is the rule which has almost invariably been followed by botanists in practice.

How important is the question involved, is shown by the following examples taken from Hill's work:

- (1) *Speculum Veneris* (p. 75) antedates *Specularia* Heist. (1763).
- (2) *Bursa pastoris* (p. 260) antedates *Bursa* Weber (1780) and *Capsella* Medic. (1792).
- (3) *Raphanus rusticanus* (p. 260) antedates *Armoracia* Ludwig (1757).
- (4) *Gramen caninum* (p. 496) antedates *Agropyron* J. Gaertn. (1770).
- (5) *Gramen nemorosum* (p. 502) antedates *Juncoides* Adans. (1763) and *Luzula* D.C. (1805).
- (6) *Filix mas* (p. 527) antedates *Thelypteris* Schmidel (1762); *Dryopteris* Adans. (1763); and *Aspidium* Sw. (1801).
- (7) *Filix foemina* (p. 528) antedates *Pteridium* Scop. (1760).

One of Hill's double-headed genera, described by him on page 516

is *Vitis idea* (*Vitis idaea* in his Index). This has been taken up as *Vitis-idaea*. It seems to me that the use of this name should be given up.

A similar double-headed generic name is *Uva Ursi*. This was used by Miller (Gard. Dict. Abr. Ed. 4) in 1754, and as *Uva-Ursi* has been taken up in place of *Arctostaphylos* Adans. (1763). It seems to me that the use of this name should also be abandoned. The alternative would be to retain *Vitis-idaea* and *Uva-Ursi* and also take up *Speculum-Veneris*, *Bursa-pastoris*, *Raphanus-rusticanus*, *Gramen-caninum*, *Gramen-nemorosum*, *Felix-mas*, and *Felix-foemina*.

MAPLEWOOD, NEW JERSEY.

A YELLOW-FRUITED FORM OF *ILEX MYRTIFOLIA*.—The fruit of all our native species of *Ilex*, except *I. glabra*, *I. lucida*, and *I. Krugiana*, is normally some shade of red or orange. Yellow-fruited forms have been described in *I. opaca* (f. *xanthocarpa* Rehder), *I. laevigata* (f. *Herveyi* Robinson), and *I. verticillata* (f. *chrysocarpa* Robinson). A form of *Ilex cassine* with yellow fruit is mentioned in the manuals, but seems never to have received a name. Yellow-fruited specimens of *Ilex myrtifolia* Walt., a species closely related to *I. cassine* but apparently distinct, were received at the Bureau of Plant Industry in December, 1922, from Mr. George D. Lowe, who had collected them at Baxley, Georgia. More ample specimens have recently been sent by Mr. Lowe, who comments on the attractive appearance of the yellow-fruited shrub, and states that it is known to him only from a small area in the vicinity of Baxley, usually occurring singly at widely separated points, but at one locality about a cypress pond forming about half of the stand, and amounting probably to a thousand plants in a quarter-mile radius. The yellow form has been observed at this last spot for thirty years or more. In view of the possibility of the introduction of this plant into the nursery trade, it may well be distinguished by a formal name.

ILEX MYRTIFOLIA forma **Lowe**i, forma nova.—Fruit golden yellow; leaves linear-elliptic or elliptic, 8–21 mm. long, 2–4 mm. wide.—GEORGIA: Vicinity of Baxley, November, 1923, *George D. Lowe* (type no. 1, 189, 988, U. S. Nat. Herb.; dupls. in herb. Arnold Arb., Gray Herb., N. Y. Bot. Gard.).—S. F. BLAKE, Bureau of Plant Industry, Washington, D. C.

ERRATA

- Page 10, line 23, for CALYPHOGEIA read CALYPOGEIA.
 “ 17, “ 10, for **Dipsaceae** read **Dipsacaceae**.
 “ 18, “ 5, for D. MELO read C. MELO.
 “ 19, “ 7, for **perfoliata** read **perfoliata**.
 “ 34, “ 21, for ACHILLAEA read ACHILLEA.
 “ 50, “ 2, for *rejicienda* read *rejicienda*.
 “ 54, “ 31, for Mason read Maxon.
 “ 56, “ 20, for (Lindh.) read (Lindl.).
 “ 60, “ 18, for 56 read lvi.
 “ 70, “ 45, for *Austineae* read *Austinae*.
 “ 71, “ 12, for **canescens** read CANESCENS.
 “ 80, “ 36, for 7 cm. read 1 cm.
 “ 106, “ 5, for *ci iatis* read *ciliatis*.
 “ 107, “ 31, for (DC) read (DC.).
 “ 109, “ 13. After this line insert lines 13–15 from page 110.
 “ 109, “ 19, for (DC) read (DC.).
 “ 110, *dele* lines 13–15.
 “ 125, line 6, for *L.* read *H.*
 “ 149, “ 6, for **tubuliforme** read **tubuliformis**.
 “ 159, “ 18, for HEXANDRAS read HEXANDRA.
 “ 175, “ 14, *dele* the artist-botanist.
 “ 199, “ 26, for *Thalium* read *Thalianum*.
 “ 214, “ 14, for *Annfeldtia* read *Ahnfeldtia*.

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